



# Specification For 20~50 Watts LED Driver

## Model Name: SIFxx-Iyyyy 120-277

### Revision: R1.5

#### Revision History:

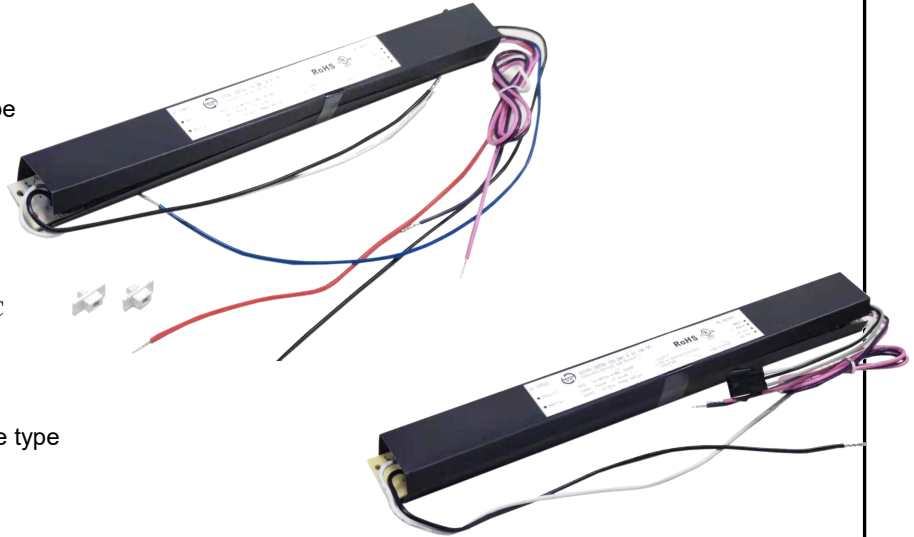
| No. | Revise Description          | Rev. | Date       |
|-----|-----------------------------|------|------------|
| 1   | Released                    | R1.0 | 2021-12-02 |
| 2   | Updated the life time curve | R1.1 | 2021-12-06 |
| 3   | Added model:133847,133848   | R1.2 | 2012-12-14 |
| 4   | Added model                 | R1.3 | 2021-12-22 |
| 5   | Added model                 | R1.4 | 2021-12-28 |
| 6   | Added model                 | R1.5 | 2022-01-05 |
|     |                             |      |            |

Prepared By: \_\_\_\_\_ Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_

**SIFxx-Iyyyy 120-277 series for troffer and panel light**

■ **Features & benefits:**

- Universal AC Input Voltage
- Linear form factor, Side feed, PP tube
- Isolated 0-10V dimming
- Economic Design
- Suitable for indoor use
- Class 2 output
- Operating temperature: -25°C~+55°C
- Comply with UL8750



■ **Optional Function**

- Aux power & dim to off for flicker free type
- Build in INT or CCT selection switch
- Flicker free

■ **Model List:**

| Model Name                           | Rated Input Voltage    | Max. Output Power | Output Current | Rated Output Voltage | AUX Power & Dim to off (Optional) |                        |
|--------------------------------------|------------------------|-------------------|----------------|----------------------|-----------------------------------|------------------------|
|                                      |                        |                   |                |                      | Flicker free type (Y/N)           | High ripple type (Y/N) |
| SIF20-Iyyyy 120-277 W D1-z(ML+c+d+e) | 120-277V <sub>AC</sub> | 21.6W max.        | 350-540mA      | 30-42V <sub>DC</sub> | Y/N                               | Y/N                    |
| SIF30-Iyyyy 120-277 W D1-z(ML+c+d+e) | 120-277V <sub>AC</sub> | 32W max.          | 420-800mA      | 30-42V <sub>DC</sub> | Y/N                               | Y/N                    |
| SIF40-Iyyyy 120-277 W D1-z(ML+c+d+e) | 120-277V <sub>AC</sub> | 40W max.          | 500-1050mA     | 30-42V <sub>DC</sub> | Y/N                               | Y/N                    |
| SIF50-Iyyyy 120-277 W D1-z(ML+c+d+e) | 120-277V <sub>AC</sub> | 50W max.          | 650-1250mA     | 30-42V <sub>DC</sub> | Y/N                               | Y/N                    |

Note: Please see appendix for detailed model list.

**Model name code:**

S I F x x - I y y y y 1 2 0 - 2 7 7 W D 1 - z ( a b + c + d + e )  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

|   |  |   |
|---|--|---|
| ① | Series                                       | 20/30/40/50W Linear type series; xx: Output power |
| ② | Output current                               | Output current                                    |
| ③ | Input voltage                                | 120-277: 120-277V <sub>AC</sub>                   |
| ④ | Wire   | W: Wire type                                      |
| ⑤ | Dimming                                      | D1: 0-10V Dimming                                 |
| ⑥ | CCT and output current(INT) selection switch | BLANK: No switch                                  |
|   |  | -S1: INT  |
|   |  | -S2: CCT  |
| ⑦ | Case   | S1+S2: INT+CCT                                    |
|   |  | BLANK: Open Frame                                 |
| ⑧ | AUX power                                    | ML: Mylar Case                                    |
|   |  | S:12V/100mA                                       |
| ⑨ | Ripple                                       | BLANK: Without AUX power                          |
|   |  | W: Flicker free                                   |
| ⑩ | Internal Code                                | Y: High ripple, I <sub>OUT- RIPPLE</sub> <30%     |
|   |  |   |

## ■ Specification:

| Parameters                                     | Symbols                            | Test Conditions / Comment   | Min  | Typ   | Max  | Units    |
|--|------------------------------------|---|------|-------|------|----------|
| <b>INPUT</b>                                   |                                    |   |      |       |      |          |
| Input Voltage                                  | $V_{IN}$                           |   | 108  |       | 305  | $V_{AC}$ |
| Rated Input Voltage                            | $V_{IN\ RATED}$                    |   | 120  |       | 277  | $V_{AC}$ |
| Input Frequency                                | $f_{line}$                         | Full Load, $V_{IN} = 120V_{AC}$                                     | 47   | 50/60 | 63   | Hz       |
| Max. Input Current                             | $I_{IN\_Max}$                      | SIF20-Iyyyy, Full Load, $V_{IN} = 120V_{AC}$                        |      |       | 0.22 | A        |
|  |                                    | SIF30-Iyyyy, Full Load, $V_{IN} = 120V_{AC}$                        |      |       | 0.35 | A        |
|  |                                    | SIF40-Iyyyy, Full Load, $V_{IN} = 120V_{AC}$                        |      |       | 0.42 | A        |
|  |                                    | SIF50-Iyyyy, Full Load, $V_{IN} = 120V_{AC}$                        |      |       | 0.54 | A        |
| Inrush Current                                 | $I_{INRUSH}$                       | Cold Start, $V_{IN} = 277V_{AC}$                                    |      |       | 75   | A        |
| Leakage Current                                | $I_{Leakage}$                      | $V_{IN} = 277V_{AC}$ , 60Hz   |      |       | 0.75 | mA       |
| <b>General Characteristics</b>                 |                                    |   |      |       |      |          |
| Power Factor                                   | PF                                 | Full load, $V_{IN} = 120V_{AC}$                                     | 0.95 |       |      | PF       |
|  |                                    | Full load, $V_{IN} = 277V_{AC}$                                     | 0.9  |       |      |          |
| Total Harmonic Distortion                      | THD                                | Full load, $V_{IN} = 120V_{AC}$                                     |      |       | 20   | %        |
|  |                                    | Full load, $V_{IN} = 277V_{AC}$                                     |      |       | 20   |          |
| Efficiency                                     | Please see model list for details. |   |      |       |      |          |
| Turn On Delay Time                             | $T_{on\_delay}$                    | Cold Start, without dimmer  |      |       | 0.75 | S        |
| <b>OUTPUT</b>                                  |                                    |   |      |       |      |          |
| Output Current                                 | $I_{OUT}$                          | SIF20-Iyyyy   | 350  |       | 540  | mA       |
|  |                                    | SIF30-Iyyyy   | 420  |       | 800  | mA       |
|  |                                    | SIF40-Iyyyy   | 500  |       | 1050 | mA       |
|  |                                    | SIF50-Iyyyy   | 650  |       | 1250 | mA       |
| Output current tolerance                       | t                                  |   |      |       | 5    | %        |
| Output Voltage                                 | $V_{OUT}$                          |   | 30   |       | 42   | V        |
| Output Power                                   | $P_{OUT}$                          | SIF20-Iyyyy   |      |       | 21.6 | W        |
|  |                                    | SIF30-Iyyyy   |      |       | 32   | W        |
|  |                                    | SIF40-Iyyyy   |      |       | 40   | W        |
|  |                                    | SIF50-Iyyyy, See "Operating window"                                 |      |       | 50   | W        |
| Line Regulation                                | $V_{OUT-LINE}$                     |   |      |       | 5    | %        |
| Load Regulation                                | $I_{OUT-LOAD}$                     | $V_{OUT}$ from MIN. to MAX.   |      |       | 5    | %        |
| Ripple Current                                 | $I_{OUT-RIPPLE}$                   | Full Load, $(I_{omax}-I_{omin})/(I_{omax}+I_{omin})$ , Flicker free |      |       | 10   | %        |
|  |                                    | Full Load, $(I_{omax}-I_{omin})/(I_{omax}+I_{omin})$ , High ripple  |      |       | 30   | %        |
| Output Current Overshoot                       | $I_{OVERSHOOT}$                    | Turning Power ON  |      |       | 10   | %        |
| <b>INT(output current) selection(Optional)</b> |                                    |   |      |       |      |          |
| Built-in INT selection switch                  | 3 positions                        |   |      |       |      |          |

**SIFxx-Iyyyy 120-277 series for troffer and panel light**

| <b>CCT selection (Optional)</b>  |  |   |     |     |     |      |
|--|--|---|-----|-----|-----|------|
| Build in CCT selection switch  | CCT1=CW on, WW off   |   |     |     |     |      |
|  | CCT2=CW on, WW on  |   |     |     |     |      |
|  | CCT3=CW off, WW on   |   |     |     |     |      |
| <b>0~10V Dimming (Optional)</b>  |  |   |     |     |     |      |
| The 0~10V or resistor dimming can be used to dim the output current via a standard commercial wall dimmer (0~10V <sub>DC</sub> ) or an external control voltage source (0~10V <sub>DC</sub> ). |  |   |     |     |     |      |
| Dimming Curve  | Linear. See "Dimming curve"                                      |   |     |     |     |      |
| Absolute Maximum Voltage on 0~10V Pin  | V <sub>DIM</sub>   |   | 0   |     | 10  | V    |
| Source Current on 0~10V Dimming Pin  | I <sub>DIM</sub>   |   | 200 |     | 500 | uA   |
| Output Current Range   | I <sub>OUT</sub>   | Non dim to off version  | 10  |     | 100 | %    |
|  |  | Dim to off version, Dim to off at V <sub>DIM</sub> =0                       | 0   |     | 100 | %    |
| <b>Auxiliary source 12V (Optional)</b>   |  |   |     |     |     |      |
| Output Voltage   | V <sub>AUX</sub>   |   |     | 12  |     | Vdc  |
| Output Current   | I <sub>AUX</sub>   |   |     |     | 100 | mA   |
| <b>Protection</b>  |  |   |     |     |     |      |
| Over Voltage Protection  | V <sub>OVp</sub>   | It will recover automatically after fault conditions is removed.            |     |     | 55  | V    |
| Short Circuit Protection   | It will recover automatically after fault conditions is removed. |   |     |     |     |      |
| <b>Environment</b>   |  |   |     |     |     |      |
| Storage Temperature  | T <sub>Storage</sub>   | Humidity: 5% RH to 95% RH   | -40 | -   | +85 | °C   |
| Ambient Operating Temperature  | T <sub>a</sub>   |   | -25 | -   | +55 | °C   |
| Max. Case Temperature  | T <sub>c</sub>   | Hot spot on the PP tube   |     |     | 85  | °C   |
| Operating Relative Humidity  | H <sub>a</sub>   | Non-Condensing  | 10  |     | 90  | %    |
| Acoustic Noise   |  | Measured from 1 m away.   |     |     | 24  | dBa  |
| Cooling  | Convection Cooling   |   |     |     |     |      |
| IP Rating  | Dry and damp UL approved   |   |     |     |     |      |
| <b>Others</b>  |  |   |     |     |     |      |
| Life Time  | T <sub>Life</sub>  | Full Load, 85°C T <sub>c</sub><br>V <sub>IN</sub> = 120V <sub>AC</sub>      | 50  |     |     | kHrs |
| MTBF   | T <sub>MTBF</sub>  | Full Load, 25°C ambient temperature<br>V <sub>IN</sub> = 120V <sub>AC</sub> | 200 |     |     | kHrs |
| Net Weight   | W <sub>NET</sub>   | SIF20-Iyyyy and SIF30-Iyyyy   |     | 113 |     | g    |
|  |  | SIF40-Iyyyy and SIF50-Iyyyy   |     | 122 |     | g    |
| Warranty   | 50KHrs Warranty at T <sub>c</sub> ≤ 85°C                         |   |     |     |     |      |
| Flicker  | Title 24   |   |     |     |     |      |
| <b>Safety Compliance</b>   |  |   |     |     |     |      |
| CUL/UL   | UL8750, CAN/CSA-C22.2 No. 250.13                                 |   |     |     |     |      |
| <b>Electromagnetic Compliance</b>  |  |   |     |     |     |      |

**SIFxx-Iyyyy 120-277 series for troffer and panel light**

| EMC Requirements                 | Standard                               | Conditions  |
|----------------------------------|--|---|
| EMI Emissions                    | FCC Title 47 Part 15B                  | Class B at 120V <sub>AC</sub> , Class A at 277V <sub>AC</sub> & 347V <sub>AC</sub>  |
| Voltage Fluctuations and Flicker | IEC61000-3-3                           |   |
| Immunity Compliance              | IEC 61000-4-2                          | ±8kV air Discharge, ±6kV Contact Discharge  |
|                                  | IEC 61000-4-5 or ANSI/IEEE C62.41-2002 | ± 1kV, test at 2 Ω; 5 strikes/1minute interval (40 total strikes)   |
|                                  | ANSI/IEEE C62.41.1-2002                | 2.5kV Ring Wave, test at 30Ω 7 Strikes/1 minute interval, Common and Differential mode, 56 total strikes  |
|                                  | IEC 61000-4-11                         | >95% dip, .5 period; 30% dip, 25 periods; 95% reduction, 250 periods  |
|                                  | IEC 61000-4-4                          | ± 2kV Direct couple to Line input, 5kHz repetition rate, 15mS duration, 300mS period. 7 coupling paths, 1 minute per path (14 total combinations) |

Note: Unless otherwise specified, all the above parameters are measured at ambient temperature of 25°C and rated voltage.

■ **Typical Characteristics Curve:**

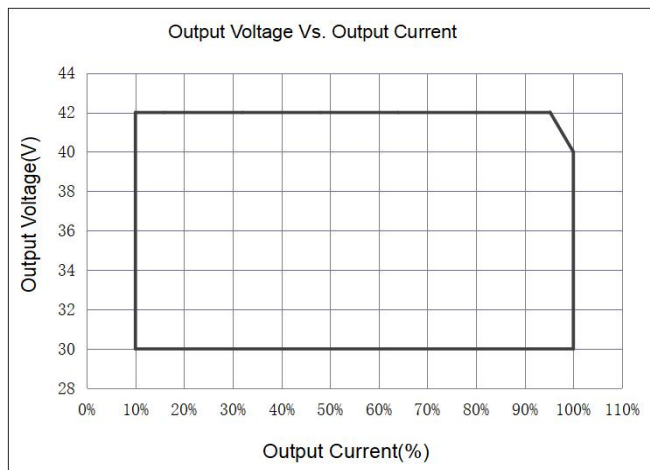


Fig.1 Operating window(SIF50-I1250)

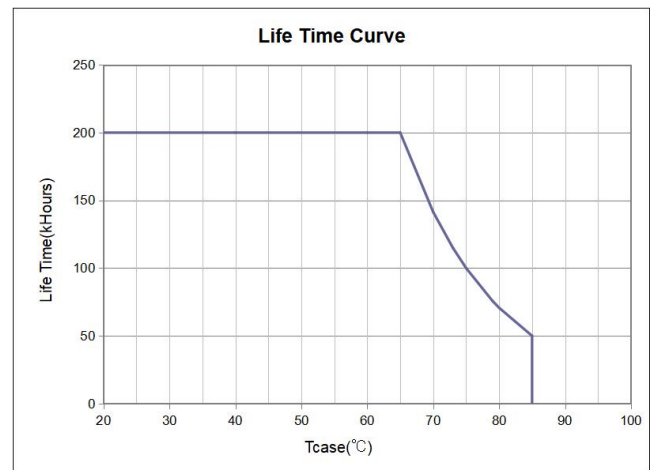


Fig.2 Life curve

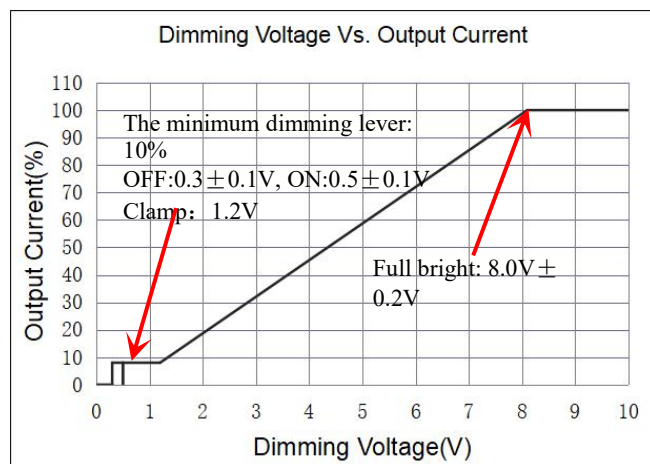


Fig.3 Dimming Curve(Dim to off type)

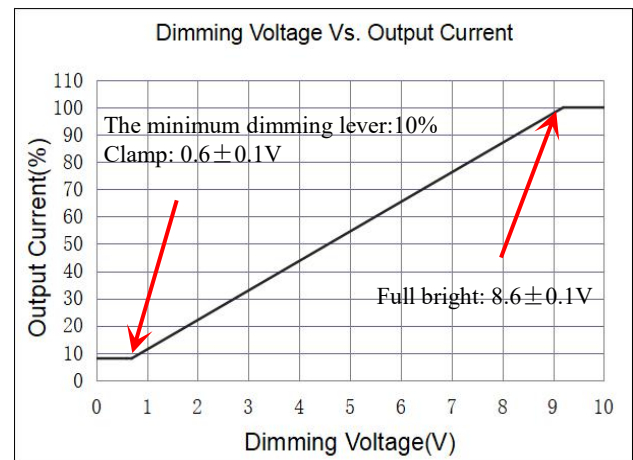


Fig.4 Dimming Curve(Non-dim to off type)

■ Typical Application

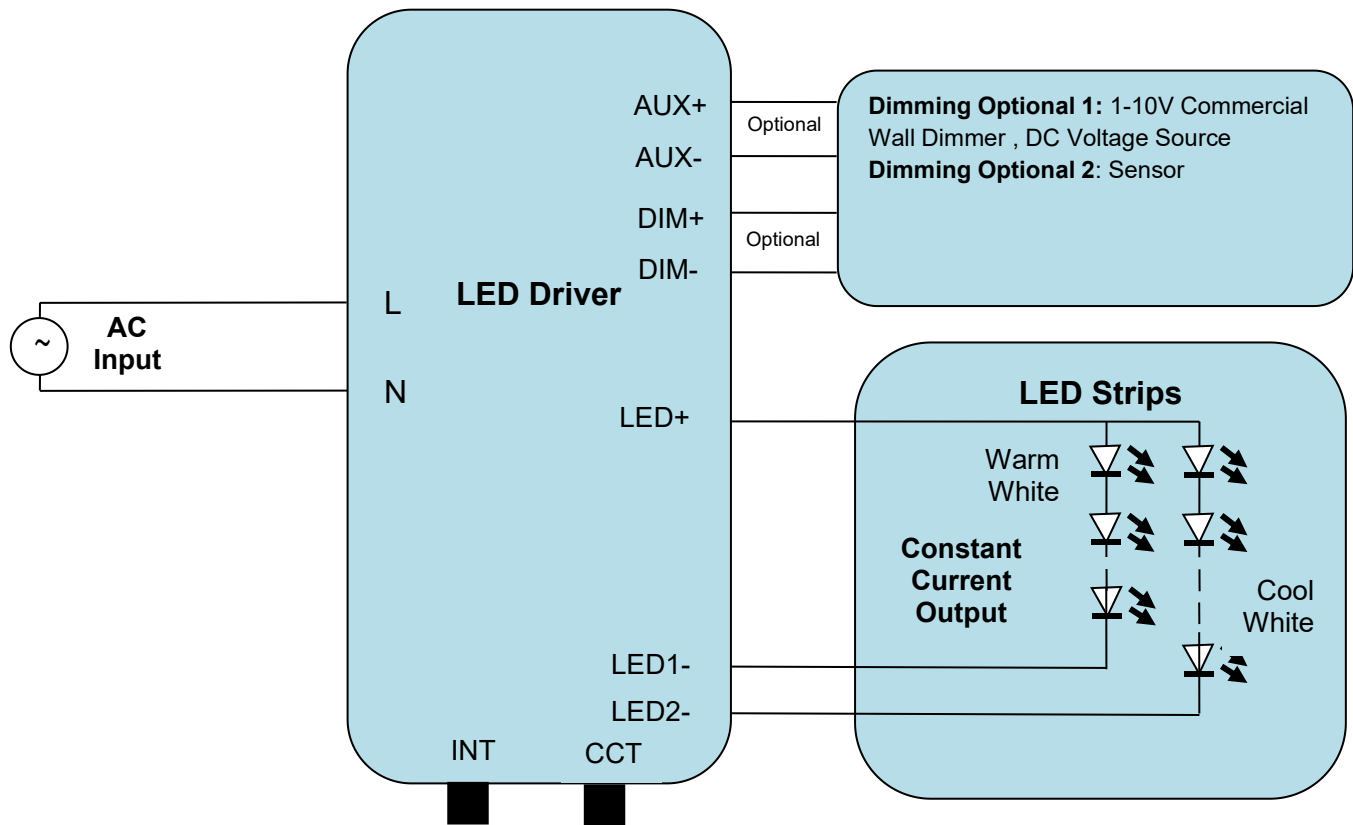


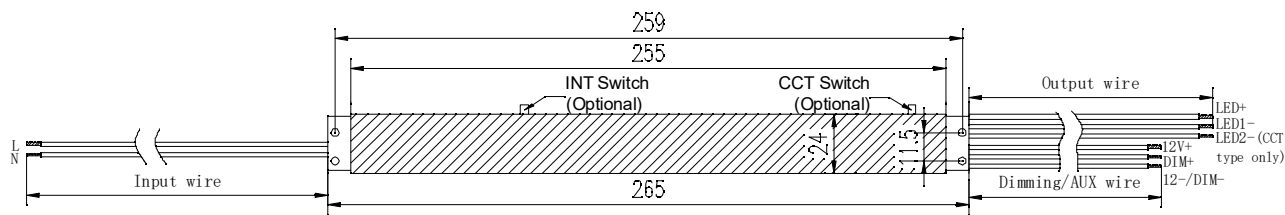
Fig. Typical Application

**SIFxx-Iyyyy 120-277 series for troffer and panel light**

**Mechanical Drawing for troffer:**

Dimensions(Unit:mm)

Default tolerance: ± 1mm



**Appendix A: Model list for troffer(Updating)**

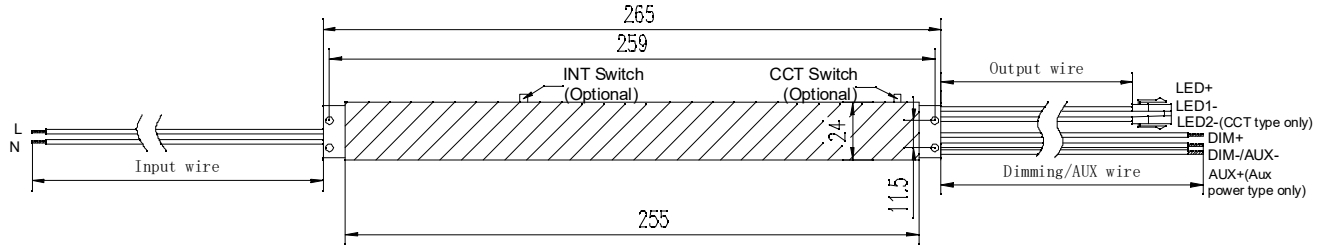
| Ever-tie P/N  | Input voltage (VAC) | Input current (Max. A) | Output Voltage (V) | Output current (mA) |      |      | CCT (Y/N) | Efficiency(120V/277V) (Min. %, full load) |            |            | Ripple Current (Max.%) | Input wire (WHI/BLK)           | Output wire RED/BLU, BLK(CCT ONLY) | Dimming wire (VLT/PNK)         | AUX wire+ (YEL)                | Note  | Ever-tie Code |
|---|---------------------|------------------------|--------------------|---------------------|------|------|-----------|---|------------|------------|------------------------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|-------|---------------|
|   |                     |                        |                    |                     |      |      |           |   |            |            |                        |                                |                                    |                                |                                |       |               |
| SIF50-11200/120-277/W/D1-277                        | 120-277             | 0.54                   | 30-42              | 1200                |      |      | N         | 86/86                                     |            |            | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 | 133389        |
| SIF30-10650/120-277/W/D1-S1S2(ML+W)(650/540/450)    | 120-277             | 0.35                   | 30-42              | 655                 | 545  | 440  | Y         | 86<br>84                                  | 86<br>83   | 86<br>82   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 | 133388        |
| SIF30-10750/120-277/W/D1-S1S2(ML+W)(750/650/540)    | 120-277             | 0.35                   | 30-42              | 750                 | 650  | 540  | Y         | 86<br>85                                  | 86<br>84   | 86<br>83   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 | 133387        |
| SIF30-10750/120-277/W/D1-S1S2(ML+Y)(750/650/540)    | 120-277             | 0.35                   | 30-42              | 790                 | 685  | 570  | Y         | 88<br>87                                  | 88<br>86   | 88<br>85   | 30%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 | 133776        |
| SIF40-10850/120-277/W/D1-S1S2(ML+W)(850/750/650)    | 120-277             | 0.42                   | 30-42              | 850                 | 750  | 650  | Y         | 86<br>85                                  | 86<br>85   | 86<br>84   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 | 133802        |
| SIF40-10950/120-277/W/D1-S1S2(ML+W+S)(950/850/750)  | 120-277             | 0.42                   | 30-42              | 960                 | 860  | 760  | Y         | 85<br>85                                  | 85<br>84   | 85<br>84   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | 20AWG, 600V, 550mm Strand Wire | CAP*2 | 133771        |
| SIF50-11150/120-277/W/D1-S1S2(ML+W+S)(1150/900/700) | 120-277             | 0.54                   | 30-42              | 1150                | 900  | 700  | Y         | 85<br>85                                  | 85<br>84   | 85<br>83.5 | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | 20AWG, 600V, 550mm Strand Wire | CAP*2 | 133677        |
| SIF40-10950/120-277/W/D1-S1S2(ML+W)(950/850/750)    | 120-277             | 0.42                   | 30-42              | 960                 | 850  | 750  | Y         | 86<br>86                                  | 86<br>85   | 86<br>85   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 | 133390        |
| SIF40-10900/120-277/W/D1-S1S2(ML+W+S)(900/700/550)  | 120-277             | 0.42                   | 30-42              | 900                 | 700  | 545  | Y         | 85<br>85                                  | 85<br>83.5 | 85<br>82   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | 20AWG, 600V, 550mm Strand Wire | CAP*2 | 133676        |
| SIF30-10650/120-277/W/D1-S1S2(ML+W+S)(650/540/450)  | 120-277             | 0.35                   | 30-42              | 650                 | 540  | 450  | Y         | 85<br>83                                  | 85<br>82   | 85<br>81   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | 20AWG, 600V, 550mm Strand Wire | CAP*2 | 133847        |
| SIF30-10750/120-277/W/D1-S1S2(ML+W+S)(750/650/540)  | 120-277             | 0.35                   | 30-42              | 750                 | 650  | 540  | Y         | 85<br>84                                  | 85<br>83   | 85<br>82   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | 20AWG, 600V, 550mm Strand Wire | CAP*2 | 133848        |
| SIF30-10650/120-277/W/D1-S1(ML+W)(650/580/480)      | 120-277             | 0.35                   | 30-42              | 650                 | 580  | 480  | Y         | 86<br>84                                  | 86<br>83   | 86<br>82   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 |               |
| SIF40-10950/120-277/W/D1-S1(ML+W)(950/800/630)      | 120-277             | 0.42                   | 30-42              | 950                 | 800  | 630  | Y         | 86<br>86                                  | 86<br>85   | 86<br>84   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 |               |
| SIL40-10950/120-277/W/D1-S1S2(ML+Y)(950/800/700)    | 120-277             | 0.42                   | 30-42              | 950                 | 800  | 700  | Y         | 88<br>87                                  | 89<br>87   | 89<br>86   | 30%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 |               |
| SIL50-11250/120-277/W/D1-S1S2(ML+Y)(1250/1150/1050) | 120-277             | 0.54                   | 30-42              | 1250                | 1150 | 1050 | Y         | 88<br>88                                  | 88<br>87   | 88<br>87   | 30%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 |               |
| SIL40-10950/120-347/W/D1-S1S2(ML+W)(950/850/750)    | 120-347             | 0.42                   | 30-42              | 950                 | 850  | 750  | Y         | 86.5<br>84                                | 87<br>83.5 | 87<br>83   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 |               |
| SIL30-10650/120-347/W/D1-S1S2(ML+W)(650/540/450)    | 120-347             | 0.35                   | 30-42              | 650                 | 540  | 450  | Y         | 86<br>83                                  | 86<br>82   | 86<br>80   | 10%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 |               |
| SIF40-10850/120-277/W/D1-S1S2(ML+Y)(850/750/650)    | 120-277             | 0.42                   | 30-42              | 850                 | 750  | 650  | Y         | 87<br>84                                  | 87<br>83   | 87<br>83   | 30%                    | 18AWG, 600V, 300mm Strand Wire | 20AWG, 300V, 350mm Strand Wire     | 20AWG, 600V, 550mm Strand Wire | NA                             | CAP*2 |               |

**SIFxx-Iyyyy 120-277 series for troffer and panel light**

■ **Mechanical Drawing for panel light:**

Dimensions(Unit:mm)

Default tolerance: ± 1mm



■ **Appendix B: Model list for panel light(Updating)**

| Evertie P/N                                      | Input voltage (VAC) | Input current (Max.A) | Output Voltage (V) | Output current (mA) |      |      | CCT (Y/N) | Efficiency 120/277V (min. %, full load) |            |              | Ripple Current (Max.%) | Input wire (WHI/BLK)           | Output wire (WHI/GRY) BLK(CCT ONLY) | Dimming wire (VLT/PNK)         | AUX wire+ (YEL) | Note | Ever-tie Code |
|--|---------------------|-----------------------|--------------------|---------------------|------|------|-----------|---|------------|--------------|------------------------|--------------------------------|-------------------------------------|--------------------------------|-----------------|------|---------------|
|  |                     |                       |                    |                     |      |      |           |   |            |              |                        |                                |                                     |                                |                 |      |               |
| SIF40-11050/120-277/W/D1(W)                      | 120-277             | 0.42                  | 30-42              | 1030                |      |      | N         | 86<br>86                                |            |              | 10%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      | 133803        |
| SIF40-11050/120-277/W/D1-S1S2(W)(1050/800/650)   | 120-277             | 0.42                  | 30-42              | 1030                | 780  | 640  | Y         | 86<br>86                                | 86<br>85   | 86<br>84     | 10%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      | 133391        |
| SIF50-11250/120-277/W/D1-S1S2(W)(1250/1050/800)  | 120-277             | 0.54                  | 30-42              | 1250                | 1050 | 780  | Y         | 86<br>86                                | 86<br>86   | 86<br>85     | 10%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      | 133392        |
| SIF30-10800/120-277/W/D1-S1S2(W)(800/650/550)    | 120-277             | 0.35                  | 30-42              | 800                 | 650  | 550  | Y         | 86<br>85                                | 86<br>84   | 86<br>83     | 10%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF40-11050/120-277/W/D1-S1S2(W)(1050/900/800)   | 120-277             | 0.42                  | 30-42              | 1050                | 900  | 800  | Y         | 86<br>86                                | 86<br>85   | 86<br>85     | 10%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIL40-11050/120-277/W/D1-S1S2(Y)(1050/800/700)   | 120-277             | 0.42                  | 30-42              | 1050                | 800  | 700  | Y         | 88.5<br>87.5                            | 89<br>86   | 89<br>85     | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIL50-11250/120-277/W/D1-S1S2(Y)(1250/1150/1050) | 120-277             | 0.54                  | 30-42              | 1250                | 1150 | 1050 | Y         | 86<br>85.5                              | 87<br>86   | 88.5<br>87.5 | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF30-10650/120-277/W/D1-S1S2(Y)(650/580/480)    | 120-277             | 0.35                  | 30-42              | 650                 | 580  | 480  | Y         | 87<br>83                                | 87<br>82   | 87<br>81     | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF40-10950/120-277/W/D1-S1S2(Y)(950/800/630)    | 120-277             | 0.42                  | 30-42              | 950                 | 800  | 630  | Y         | 87<br>85                                | 87.5<br>84 | 87<br>82     | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF40-11050/120-277/W/D1-S1S2(Y)(1050/900/800)   | 120-277             | 0.42                  | 30-42              | 1020                | 900  | 800  | Y         | 87<br>86                                | 87<br>86   | 87<br>85     | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF30-10750/120-277/W/D1(Y)                      | 120-277             | 0.35                  | 30-42              | 750                 |      |      | N         | 86.5<br>83.5                            |            |              | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF40-11000/120-277/W/D1(Y)                      | 120-277             | 0.42                  | 30-42              | 1000                |      |      | N         | 87<br>86                                |            |              | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF50-11250/120-277/W/D1(Y)                      | 120-277             | 0.54                  | 120-277            | 1250                |      |      | N         | 88<br>88                                |            |              | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF40-11050/120-277/W/D1-S1(Y)(1050/800/650)     | 120-277             | 0.42                  | 30-42              | 1050                | 800  | 650  | Y         | 87<br>86                                | 88<br>87   | 88<br>86     | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF50-11250/120-277/W/D1-S1(Y)(1250/1050/800)    | 120-277             | 0.54                  | 30-42              | 1250                | 1050 | 800  | Y         | 88<br>88                                | 88<br>88   | 88<br>87     | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF40-10900/120-277/W/D1(Y)                      | 120-277             | 0.42                  | 30-42              | 900                 |      |      | N         | 87<br>86                                |            |              | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF40-11050/120-277/W/D1(Y)                      | 120-277             | 0.42                  | 30-42              | 1050                |      |      | N         | 87<br>86                                |            |              | 30%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, 120mm Strand Wire      | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |



| Evertie P/N                                     | Input voltage (VAC) | Input current (Max.A) | Output Voltage (V) | Output current (mA) |      |     | CCT (Y/N) | Efficiency 120/277V (min. %, full load) |          |          | Ripple Current (Max.%) | Input wire (WHI/BLK)           | Output wire (WHI/GRY) BLK(CCT ONLY)                | Dimming wire (VLT/PNK)         | AUX wire+ (YEL) | Note | Ever-tie Code |
|---|---------------------|-----------------------|--------------------|---------------------|------|-----|-----------|---|----------|----------|------------------------|--------------------------------|--|--------------------------------|-----------------|------|---------------|
|   |                     |                       |                    | 1030                | 780  | 640 |           | 86<br>86                                | 86<br>85 | 86<br>84 |                        |                                |  |                                |                 |      |               |
| SIF40-11050/120-277/W/D1-S1S2(W)(1050/800/650)  | 120-277             | 0.42                  | 30-42              | 1030                | 780  | 640 | Y         | 86<br>86                                | 86<br>85 | 86<br>84 | 10%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, Strand Wire: WHI/GRY 470mm, BLK 160mm | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |
| SIF50-11250/120-277/W/D1-S1S2(W)(1250/1050/800) | 120-277             | 0.54                  | 30-42              | 1250                | 1050 | 780 | Y         | 86<br>86                                | 86<br>86 | 86<br>85 | 10%                    | 18AWG, 300V, 250mm Strand Wire | 22AWG, 300V, Strand Wire: WHI/GRY 470mm, BLK 160mm | 22AWG, 300V, 500mm Strand Wire | NA              |      |               |